

DEPARTMENT OF TRANSPORTATION

DES-OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816



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April 4, 2003

04-SF-80-13.2
04-0120C4
ACBRIM-080-1(093)N

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SAN FRANCISCO COUNTY IN SAN FRANCISCO AT YERBA BUENA ISLAND.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on April 22, 2003.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract.

Project Plan Sheets 2, 3, 6, 17, 18, 25, and 26 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 1A, 2A, 6A, 6B, 17A, 19A, and 25A, are added. Half-sized copies of the added sheets are attached for addition to the project plans.

In the Notice to Contractors, the last sentence of the seventh paragraph is revised as follows:

"A copy of the responses to the bidder's inquiries and each addendum will be posted on the Internet at <http://www.dot.ca.gov/dist4/construction/inquiries/index.html>."

In the Special Provisions, Section 5-1.13, "INTEGRATED SHOP DRAWINGS," the last sentence of the tenth paragraph is revised as follows"

"Construction of Pier W2 footings, columns, and retaining walls shall not begin until the Engineer reviews and approves the complete ISD's with all conflicts resolved."

In the Special Provisions, Section 5-1.14, "PROJECT INFORMATION," subsection "INFORMATION HANDOUT," subsection "District Materials Information," under the heading "Items shown in the Materials Information are:," Item K is added as follows."

"K. United States Coast Guard Licenses"

In the Special Provisions, Section 10-1.22, "MAINTAINING TRAFFIC," the following sentence is added at the end of the eighth paragraph."

" The Contractor shall also provide and maintain the access road to the sanitary sewer pump station at all times."

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In the Special Provisions, Section 10-1.333, "AGGREGATE BASE," is added as attached.

In the Special Provisions, Section 10-1.336, "ASPHALT CONCRETE," is added as attached.

In the Special Provisions, Section 10-1.395, "ROADSIDE SIGNS," is added as attached.

In the Special Provisions, Section 10-1.445, "REINFORCED CONCRETE PIPE," is added as attached.

In the Special Provisions, Section 10-1.46, "MISCELLANEOUS CONCRETE CONSTRUCTION," is revised as follows:

"Minor concrete for concrete aprons and minor structures (drainage inlets) shall conform to the provisions in Section 73, "Concrete Curbs and Sidewalks," of the Standard Specifications and these special provisions."

In the Special Provisions, Section 10-1.52, "PAINT TRAFFIC STRIPE AND PAVEMENT MARKING," is added as attached.

In the Proposal and Contract, the Engineer's Estimate Items 14, 36, 48, and 50 are revised, Items 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, and 72 are added, and Item 61 is deleted as attached.

To Proposal and Contract book holders:

Replace the entire Engineer's Estimate in the Proposal with the attached revised Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Attached is a copy of the Material Information, "United States Coast Guard Licenses," which is supplemental to the District Materials Information.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY:

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

10-1.333 AGGREGATE BASE

Aggregate base shall be Class 3 and shall conform to the provisions in Section 26, "Aggregate Bases," of the Standard Specifications and these special provisions.

The restriction that the amount of reclaimed material included in Class 3 aggregate base not exceed 50 percent of the total volume of the aggregate used shall not apply. Aggregate for Class 3 aggregate base may include or consist of material processed from reclaimed asphalt concrete, portland cement concrete, lean concrete base, cement treated base, reclaimed glass or a combination of any of those materials. Aggregate base incorporating reclaimed glass shall not be placed at locations where surfacing will not be placed over the aggregate base.

Aggregate for Class 3 aggregate base shall conform to the following requirements:

Grading Requirements (Percentage Passing)

Sieve Sizes	19-mm Maximum	
	Operating Range	Contract Compliance
50-mm		
37.5-mm		
25-mm	100	100
19-mm	90-100	57-100
4.75-mm	35-60	30-65
600- μ m	10-30	5-35
75- μ m	2-11	0-14

Grading Requirements (Percentage Passing)

Sieve Sizes	37.5-mm Maximum	
	Operating Range	Contract Compliance
50-mm	100	100
37.5-mm	90-100	87-100
25-mm	-	-
19-mm	50-80	45-90
4.75-mm	25-45	20-50
600- μ m	10-25	6-29
75- μ m	2-11	0-14

Quality Requirements

Tests	Operating Range	Contract Compliance
Sand Equivalent	25 Min.	22 Min.
Resistance (R-value)	-	78 Min.
Durability Index	-	35 Min.

The aggregate shall not be treated with lime, cement or other chemical material before the Durability Index test is performed. Untreated reclaimed asphalt concrete and portland cement concrete will not be considered to be treated with lime, cement or other chemical material for purposes of performing the Durability Index test.

10-1.336 ASPHALT CONCRETE

Asphalt concrete shall be Type A and shall conform to the provisions in Section 39, "Asphalt Concrete," of the Standard Specifications and these special provisions.

The amount of asphalt binder used in asphalt concrete placed in dikes and overside drains at the ends of drainage structures shall be increased one percent by mass of the aggregate over the amount of asphalt binder determined for use in asphalt concrete placed on the traveled way.

The aggregate for Type A asphalt concrete shall conform to the provisions for 9.5-mm Maximum grading specified in Section 39-2.02, "Aggregate," of the Standard Specifications.

In addition to the provisions in Section 39-5.01, "Spreading Equipment," of the Standard Specifications, asphalt paving equipment shall be equipped with automatic screed controls and a sensing device or devices.

When placing asphalt concrete to the lines and grades established by the Engineer, the automatic controls shall control the longitudinal grade and transverse slope of the screed. Grade and slope references shall be furnished, installed, and maintained by the Contractor. Should the Contractor elect to use a ski device, the minimum length of the ski device shall be 9 m. The ski device shall be a rigid one piece unit and the entire length shall be utilized in activating the sensor.

When placing the initial mat of asphalt concrete on existing pavement, the end of the screed nearest the centerline shall be controlled by a sensor activated by a ski device not less than 9 m long. The end of the screed farthest from centerline shall be controlled manually.

When placing the initial mat of asphalt concrete on existing pavement, the end of the screed nearest the centerline shall be controlled by a sensor activated by a ski device not less than 9 m long. The end of the screed farthest from centerline shall be controlled by a sensor activated by a similar ski device.

When placing the initial mat of asphalt concrete on existing pavement, the end of the screed nearest the centerline shall be controlled by a sensor activated by a ski device not less than 9 m long. The end of the screed farthest from centerline shall be controlled by an automatic transverse slope device set to reproduce the cross slope designated by the Engineer.

When paving contiguously with previously placed mats, the end of the screed adjacent to the previously placed mat shall be controlled by a sensor that responds to the grade of the previously placed mat and will reproduce the grade in the new mat within a 3-mm tolerance. The end of the screed farthest from the previously placed mat shall be controlled in the same way it was controlled when placing the initial mat.

Should the methods and equipment furnished by the Contractor fail to produce a layer of asphalt concrete conforming to the provisions, including straightedge tolerance, of Section 39-6.03, "Compacting," of the Standard Specifications, the paving operations shall be discontinued and the Contractor shall modify the equipment or methods, or furnish substitute equipment.

Should the automatic screed controls fail to operate properly during a day's work, the Contractor may manually control the spreading equipment for the remainder of that day. However, the equipment shall be corrected or replaced with alternative automatically controlled equipment conforming to the provisions in this section before starting another day's work.

10-1.395 ROADSIDE SIGNS

Roadside signs shall be installed at the locations shown on the plans or where designated by the Engineer and in conformance with the provisions in Section 56-2, "Roadside Signs," of the Standard Specifications and these special provisions.

Wood posts shall be pressure treated after fabrication in conformance with the provisions in Section 58, "Preservative Treatment of Lumber, Timber and Piling," of the Standard Specifications with creosote, creosote coal tar solution, creosote petroleum solution (50-50), pentachlorophenol in hydrocarbon solvent, copper naphthenate, ammoniacal copper arsenate, or ammoniacal copper zinc arsenate. In addition to the preservatives listed above, Southern yellow pine may also be pressure treated with chromated copper arsenate. When other than one of the creosote processes is used, blocks shall have a minimum retention of 6.4 kg/m^3 , and need not be incised.

10-1.445 REINFORCED CONCRETE PIPE

Reinforced concrete pipe shall conform to the provisions in Section 65, "Reinforced Concrete Pipe," of the Standard Specifications and these special provisions.

Except as otherwise designated by classification on the plans or in the specifications, joints for culvert and drainage pipes shall conform to the plans or specifications for standard joints.

When solid rock or other unyielding material is encountered at the planned elevation of the bottom of the bedding, the material below the bottom of the bedding shall be removed to a depth of 1/50 of the height of the embankment over the top of the culvert, but not less than 150 mm nor more than 300 mm. The resulting trench below the bottom of the bedding shall be backfilled with structure backfill material in conformance with the provisions in Section 19-3.06, "Structure Backfill," of the Standard Specifications.

The excavation and backfill below the planned elevation of the bottom of the bedding will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

10-1.52 PAINT TRAFFIC STRIPE AND PAVEMENT MARKING

Painted traffic stripes (traffic lines) and pavement markings shall be applied in conformance with the provisions in Section 84, "Traffic Stripes and Pavement Markings," of the Standard Specifications and these special provisions.

At the option of the Contractor, permanent traffic striping and pavement marking tape conforming to the provisions in "Prequalified and Tested Signing and Delineation Materials" of these special provisions may be placed instead of the painted traffic stripes and pavement markings specified herein. Permanent tape, if used, shall be installed in conformance with the manufacturer's specifications. If permanent tape is placed instead of painted traffic stripes and pavement markings, the tape will be measured and paid for by the meter as paint traffic stripe and by the square meter as paint pavement marking of the number of coats designated in the Engineer's Estimate.

ENGINEER'S ESTIMATE

04-0120C4

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	029926	ELECTRONIC MOBILE DAILY DIARY COMPUTER SYSTEM DATA DELIVERY	LS	LUMP SUM	LUMP SUM	
2	029927	PHOTO SURVEY OF EXISTING FACILITIES	LS	LUMP SUM	LUMP SUM	
3	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
4	070018	TIME-RELATED OVERHEAD	LS	LUMP SUM	LUMP SUM	
5	029928	TEMPORARY FENCE (TYPE CL-2.4) W/BARBED WIRE EXTENSION ARMS	M	420		
6	029929	3.66 M TEMPORARY GATE (TYPE CL-2.4) W/BARBED WIRE EXTENSION ARMS	EA	1		
7	071325	TEMPORARY FENCE (TYPE ESA)	M	278		
8	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
9	074020	WATER POLLUTION CONTROL	LS	LUMP SUM	LUMP SUM	
10	029930	TURBIDITY CONTROL	LS	LUMP SUM	LUMP SUM	
11	029931	NON-STORM WATER DISCHARGES	LS	LUMP SUM	LUMP SUM	
12	074025	TEMPORARY SOIL STABILIZER	M2	2000		
13	074032	TEMPORARY CONCRETE WASHOUT FACILITY	EA	23		
14	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	4		
15	074034	TEMPORARY COVER	M2	1000		
16	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
17	029932	TEMPORARY FENCE (TYPE WM-1.8)	M	91		
18	029933	REMOVE WATER MAIN	M	3		
19	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
20 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	16 015		

ENGINEER'S ESTIMATE

04-0120C4

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	3900		
22	194001	DITCH EXCAVATION	M3	50		
23	203003	STRAW (EROSION CONTROL)	TONN	2		
24	203014	FIBER (EROSION CONTROL)	KG	370		
25	029934	EROSION CONTROL (TYPE B)	M2	810		
26	203021	FIBER ROLLS	M	80		
27	203024	COMPOST (EROSION CONTROL)	KG	1130		
28	029935	MOVE IN/MOVE OUT (TEMPORARY SOIL STABILIZER/ EROSION CONTROL)	EA	3		
29	203045	PURE LIVE SEED (EROSION CONTROL)	KG	70		
30	203061	STABILIZING EMULSION (EROSION CONTROL)	KG	84		
31 (S)	049139	2.5 M CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	M	40		
32 (S)	049140	HIGH STRENGTH PRESTRESSING ROD (75 MM)	LS	LUMP SUM	LUMP SUM	
33 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	7417		
34 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	3993		
35 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	770		
36 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	7		
37 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	2 147 000		
38 (S-F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	145 000		
39 (S-F)	550203	FURNISH STRUCTURAL STEEL (BRIDGE)	KG	258 500		
40 (S-F)	550204	ERECT STRUCTURAL STEEL (BRIDGE)	KG	258 500		

ENGINEER'S ESTIMATE

04-0120C4

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41 (S)	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	LUMP SUM	LUMP SUM	
42	029936	300MM PLASTIC PIPE (HDPE)	M	6		
43	650068	375 MM REINFORCED CONCRETE PIPE	M	44		
44 (S)	049142	DRAIN PIPE	LS	LUMP SUM	LUMP SUM	
45	049143	200 MM WATER MAIN	M	70		
46	705221	375 MM CONCRETE FLARED END SECTION	EA	1		
47	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	M3	1		
48	729010	ROCK SLOPE PROTECTION FABRIC	M2	91		
49	731517	MINOR CONCRETE (GUTTER)	M3	9		
50 (F)	750001	MISCELLANEOUS IRON AND STEEL	KG	757		
51	029937	EMBED PLATE	KG	620		
52 (S-F)	750501	MISCELLANEOUS METAL (BRIDGE)	KG	16 200		
53	029938	PIER CONDUIT AND TRAY SUPPORT ANCHORAGE SYSTEM	KG	1956		
54	800385	CHAIN LINK FENCE (TYPE CL-1.2)	M	90		
55	029939	CHAIN LINK FENCE (TYPE CL-2.4, BLACK VINYL-CLAD) WITH BARBED WIRED EXTENSION ARMS	M	150		
56	802184	1.8 M CHAIN LINK GATE (TYPE CL-1.2)	EA	2		
57	029940	3.66 M CHAIN LINK GATE (TYPE CL-2.4, BLACK VINYL-CLAD) WITH BARBED WIRED EXTENSION ARMS	EA	2		
58	029941	GROUNDING FOR W2 FOUNDATIONS	LS	LUMP SUM	LUMP SUM	
59	029942	ELECTRICAL UTILITIES REMOVAL	LS	LUMP SUM	LUMP SUM	
60	029943	INSTALL FIRE HYDRANT	EA	2		

ENGINEER'S ESTIMATE**04-0120C4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	BLANK					
62	190101	ROADWAY EXCAVATION	M3	200		
63	260301	CLASS 3 AGGREGATE	M3	132		
64	390102	ASPHALT CONCRETE (TYPE A)	TONNE	156		
65	394044	PLACE ASPHALT CONCRETE DIKE (TYPE C)	M	200		
66	566011	ROADSIDE SIGN-ONE POST	EA	2		
67	650067	300MM REINFORCED CONCRETE PIPE	M	23		
68	721024	ROCK SLOPE PROTECTION (1/4 t, METHOD B)	M3	26		
69	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	M3	0.4		
70	840656	PAINT TRAFFIC STRIPE (2 – COAT)	M	170		
71	840666	PAINT PAVEMENT MARKING (2 – COAT)	M2	4		
72	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____